Application No. 10/743,740 Docket No.: 1422-0619P

Supplemental Amendment dated September 11, 2006 Reply to Office Action of February 23, 2006

AMENDMENTS TO THE CLAIMS

1. (Previously presented) Low-hygroscopic anhydrous mirtazapine crystals having (i) a

water content of not more than 0.5% by weight and (ii) a hygroscopic degree of not more than

0.6% by weight when the crystals are stored in the air having a relative humidity of 75% at 25°C

under atmospheric pressure for 500 hours.

2. (Original) The anhydrous mirtazapine crystals according to claim 1, wherein the

crystals have characteristic diffraction peaks in the X-ray diffraction pattern, when angles of

diffraction (20) are 9.14, 9.38, 14.16, 18.46, 18.56 and 20.56.

3. (Previously presented) The anhydrous mirtagapine crystals according to claim 1.

wherein the crystals are prepared by a process comprising a step of drying the pulverized crystals

at a heating temperature of 70°C to 110°C under a reduced pressure of 1.33 to 1995 Pa until the

water content of the resulting anhydrous mirtazapine crystals becomes not more than 0.5% by

weight.

4. (Previously presented) Low-hygroscopic anhydrous mirtazapine crystals of unlabeled

mirtazapine having (i) a water content of not more than 0.5% by weight and (ii) a hygroscopic degree of not more than 0.6% by weight when the crystals are stored in the air having a relative

humidity of 75% at 25°C under atmospheric pressure for 500 hours.

5. (Previously presented) Low-hygroscopic anhydrous mirtazapine crystals of unlabeled

mirtazapine having (i) a water content of not more than 0.5% by weight and (ii) a hygroscopic

degree of not more than 0.6% by weight when the crystals are stored in the air having a relative

humidity of 75% at 25°C under atmospheric pressure for 500 hours, wherein the melting point of

the crystals is 114-116°C.

2

GMM/GMD/mua

Application No. 10/743,740 Supplemental Amendment dated September 11, 2006

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6. (New) Low-hygroscopic anhydrous mirtazapine crystals of mirtazapine having (i) a water content of not more than 0.5% by weight and (ii) a hygroscopic degree of not more than 0.6% by weight when the crystals are stored in the air having a relative humidity of 75% at 25°C under atmospheric pressure for 500 hours, wherein the melting point of the crystals is 114-116°C.

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